

18379 U.S. PTO
022004

PATENT

Docket No. IL-11154

Customer No. 26857

Commissioner for Patents
P.O. Box 1450,
Alexandria, VA 22313-1450

22857 U.S. PTO
10/783520

022004

NEW APPLICATION TRANSMITTAL

Transmitted herewith for filing is the patent application of Inventor(s):
Stefan Peter Hau-Riege

For (title): **METHOD FOR CHARACTERIZING MASK DEFECTS USING IMAGE
RECONSTRUCTION FROM X-RAY DIFFRACTION PATTERNS**

1. Type of Application

☒ This new application is for an original patent.

2. Benefit of Prior U.S. Application(s) (35 USC 120)

☐ The new application being transmitted claims the benefit of prior U.S.
application(s) listed below:

Application Serial No.

Filing Date

3. ☒ Benefit under 35 U.S.C. 119(e) of United States provisional application(s) listed below:

Application Serial No.

Filing Date

4. Papers enclosed which are required for filing Date Under 37 CFR 1.53(b).

26 Pages of specification

13 Pages of claims

1 Pages of abstract

6 Sheets of drawings

☒ formal

5. Additional papers enclosed

☐ Preliminary Amendment

☒ Information Disclosure Statement

☒ Form PTO-1449

6. Declaration or oath

- ☒ Enclosed and executed by
- ☒ The inventor
- ☐ legal representative of inventor(s) 37 CFR 1.42 or 1.43
- ☐ Not Enclosed

7. Assignment

- ☒ An assignment of the invention to The Regents of the University of California
- ☒ Is enclosed
- ☐ will follow

8. Certified Copy

Certified copy(ies) of application(s)

(country)	(application no.)	(filed)
(country)	(application no.)	(filed)

from which priority is claimed

- ☐ is(are) attached.
- ☐ will follow

9. Fee Calculation

CLAIMS AS FILED					
Type of Claim	Number Filed	Included in Basic Fee	Number Extra	Rate	Total Fee
Total Claims	67	-20 =	47 x	\$18 =	\$ 846.00
Independent Claims	1	-3 =	0 x	\$86 =	\$ 0.00
				Multiple Claims	= \$
				Basic Filing Fee	= \$ 770.00
				Total	= \$ 1616.00

10. Small Entity Statement(s)

- ☒ This is a filing by small entity under 37 CFR 1.9 and 1.27.

Filing Fee Calculation (50% of regular filing fee) \$ 808.00

11. Fee Payment

- ☐ Not Enclosed
☒ Enclosed

Total Basic Filing Fees To Be Paid \$ 808.00

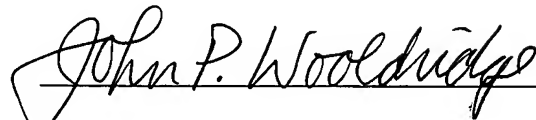
12. Method of Payment of Fees

- ☐ Check in the Amount of .00
☒ Authorization is hereby \$808.00
given to deduct the total
fee from Deposit Account
501913

A duplicate of this transmittal is attached.

13. Instructions As To Overpayment/Underpayment

- ☒ credit/charge
Account No. 501913
☐ refund



John P. Wooldridge

ATTORNEY

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Dated: February 20, 2004

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Stefan Peter Hau-Riege

Docket No.: IL-11154

Serial No.:

Group Art Unit:

Filed :

Examiner:

For : Method For Characterizing Mask Defects Using
Image Reconstruction From X-Ray Diffraction Patterns

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

EXPRESS MAIL CERTIFICATE

"Express Mail" label number EV123472332US

Date of Deposit February 20, 2004

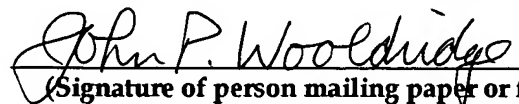
I hereby certify that the following *attached*

1. New Application Transmittal (3 pages. in duplicate);
2. Recordation Cover Sheet (in duplicate);
3. Assignment;
4. Combined Declaration and Power of Attorney (2 pages);
5. IDS Cover Letter;
6. Form PTO 1449;
7. Two (2) Non-Patent References;
8. Patent Application:
(Specification 26 pages, Claims 13 pages, Abstract 1 page,
Drawings 6 sheets)
9. Express Mail Certificate; and
10. Return postcard,

are being deposited with the United States Postal Service "Express Mail Post Office to addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

John P. Wooldridge

(Type or print name of person mailing paper)



(Signature of person mailing paper or fee)